

## EAST Search History

| Ref # | Hits   | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|-----------------|------------------|---------|------------------|
| L1    | 4074   | "phthalate ester"  | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:37 |
| L2    | 27919  | ("lactic acid" near5 (resin polymer)) "polylactic acid"  | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:38 |
| L3    | 141    | 1 AND L2   | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:38 |
| L4    | 0      | 1 SAME "impact modifier" AND L2  | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:39 |
| L5    | 4678   | 523/200-217.cols.  | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:39 |
| L6    | 0      | 1 AND L2 AND L5  | US-PGPUB; USPAT | OR               | ON      | 2008/04/02 16:39 |
| S1    | 27716  | ("lactic acid" near5 (resin polymer)) "polylactic acid"  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 14:42 |
| S3    | 122725 | (metal near10 ("OH" "-OH" "--OH" hydroxide)) "MOH"   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 14:44 |
| S4    | 37425  | silane near5 ("coupling agent" coat\$4 layer\$2)   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 14:46 |
| S6    | 8692   | "deflection temperature under load" DTUL "heat deflection temperature" "heat distortion temperature" | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 14:48 |
| S7    | 36     | ((SHINICHIRO) near2 (YAMADA)).INV.   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:00 |
| S8    | 167    | ((HIROYUKI) near2 (MORI)).INV.   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:00 |
| S9    | 19     | ((YUKO) near2 (FUJIHIRA)).INV.   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:01 |
| S10   | 40     | ((KAZUYA) near2 (TANAKA)).INV.   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:01 |
| S11   | 60     | ((JUN) near2 (TAKAGI)).INV.  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:01 |
| S12   | 52     | ((YUKIO) near2 (KATO)).INV.  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:01 |
| S14   | 200    | (S7 S8 S9 S10 S11 S12) and (polymer resin)   | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:04 |
| S15   | 4666   | 523/200-217.cols.  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:05 |
| S16   | 3      | S14 and S15  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:05 |
| S17   | 102538 | ("523" "524").clas.  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:05 |
| S18   | 27     | S17 AND S14  | US-PGPUB; USPAT | OR               | ON      | 2008/03/13 15:05 |

## EAST Search History

|     |        |  |  |    |    |                  |
|-----|--------|--|--|----|----|------------------|
| S21 | 3      | S1 SAME S3 SAME S4   | US_PGPUB; USPAT                              | OR | ON | 2008/03/13 16:08 |
| S23 | 1      | "5916950".pn.  | US_PGPUB; USPAT                              | OR | ON | 2008/03/13 16:10 |
| S25 | 27919  | ("lactic acid" near5 (resin polymer))<br>"polylactic acid" | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:03 |
| S26 | 123054 | (metal near10 ("OH" "-OH" "--OH" hydroxide)) "MOH"         | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:03 |
| S27 | 37617  | silane near5 ("coupling agent" coat\$4 layer\$2)           | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:03 |
| S28 | 1      | S25 NEAR30 S26 NEAR30 S27                                  | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:03 |
| S29 | 3      | S25 SAME S26 SAME S27                                      | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:04 |
| S30 | 36     | ((SHINICHIRO) near2 (YAMADA)).INV.                         | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S31 | 169    | ((HIROYUKI) near2 (MORI)).INV.                             | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S32 | 19     | ((YUKO) near2 (FUJIHIRA)).INV.                             | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S33 | 41     | ((KAZUYA) near2 (TANAKA)).INV.                             | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S34 | 60     | ((JUN) near2 (TAKAGI)).INV.                                | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S35 | 52     | ((YUKIO) near2 (KATO)).INV.                                | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S36 | 201    | (S30 S31 S32 S33 S34 S35) and (polymer resin)              | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:06 |
| S37 | 5      | S36 AND S25 AND S26 AND S27                                | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:15 |
| S38 | 328    | flame near5 retardant near5 (rating score)                 | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:48 |
| S41 | 37849  | flame near5 retardant                                      | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:49 |
| S42 | 49     | (S25 AND S41)[ab,clm]                                      | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:49 |
| S43 | 6      | (S25 SAME S41)[ab]   | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:53 |
| S44 | 13     | (S25 SAME S41)[clm]  | US_PGPUB; USPAT                              | OR | ON | 2008/04/02 09:54 |
| S45 | 9657   | ("lactic acid" near5 (resin polymer))<br>"polylactic acid" | FPRS;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/02 09:56 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| S46 | 51102  | (metal near10 ("OH" "-OH" "--OH" hydroxide)) "MOH"      | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/02 09:57 |
| S47 | 38477  | flame near5 retardant                                   | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/02 09:57 |
| S48 | 11     | S45 SAME S46 SAME S47                                   | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/02 09:57 |
| S50 | 43     | "116784"  | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/02 10:07 |
| S53 | 123054 | (metal near10 ("OH" "-OH" "--OH" hydroxide)) "MOH"      | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:45 |
| S54 | 37617  | silane near5 ("coupling agent" coat\$4 layer\$2)        | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:45 |
| S55 | 102    | S54 NEAR10 S53  | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:45 |
| S56 | 4678   | 523/200-217.ccls.                                       | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:46 |
| S57 | 8      | S55 AND S56   | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:46 |
| S60 | 41863  | flame near5 (retardant resistant)                       | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:48 |
| S61 | 9      | S54 NEAR25 S53 AND S60 AND S56                          | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:48 |
| S62 | 43315  | "aluminum hydroxide"                                    | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:55 |
| S63 | 8      | S54 NEAR25 S62 AND S60 AND S56                          | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 12:55 |
| S64 | 5985   | polyester SAME plastic?er                               | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 13:57 |
| S65 | 4678   | 523/200-217.ccls.                                       | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 14:00 |
| S66 | 75     | S64 AND S65   | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 14:00 |
| S67 | 27919  | ("lactic acid" near5 (resin polymer)) "polylactic acid" | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 14:00 |
| S68 | 3      | S64 AND S67 AND S65                                     | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 14:00 |
| S69 | 239    | "epoxy silane coupling agent"                           | US-PGPUB;<br>USPAT                        | OR | ON | 2008/04/02 15:01 |

## EAST Search History

|     |       |                      |                    |    |    |                  |
|-----|-------|----------------------|--------------------|----|----|------------------|
| S70 | 43315 | "aluminum hydroxide" | US-PGPUB;<br>USPAT | OR | ON | 2008/04/02 15:02 |
| S71 | 4     | S69 NEAR20 S70       | US-PGPUB;<br>USPAT | OR | ON | 2008/04/02 15:02 |